

DaimlerChrysler AG

Patent Claims

5 1. A door pillar for a supporting frame structure (1) of a vehicle body,

- with an upper section (3) which extends from a vehicle roof as far as a vehicle side edge (5),
- with a lower section (6) which extends from the vehicle side edge (5) in the direction of a vehicle floor,

characterized in that the door pillar (2) has a pillar body (8) which extends at least in the upper section (3) and is made of iron or iron alloy, and a pillar base (9) which is connected fixedly thereto, extends at least in the lower section (6) and is made of light metal or light metal alloy.

20 2. The door pillar as claimed in claim 1, characterized

- in that the pillar base (9) extends exclusively in the lower section (6),
- in that the pillar body (8) at least partially extends into the lower section (6),
- in that the pillar body (8) is connected in the lower section (6) to the pillar base (9).

30 3. The door pillar as claimed in claim 1 or 2, characterized in that the pillar body (8) extends from the vehicle roof as far as the vehicle side edge (5) or into the lower section (6) or as far as the vehicle floor.

35 4. The door pillar as claimed in one of claims 1 to 3, characterized in that the pillar body (8) has a roof connection zone (11) which is configured for forming a fixed connection to the vehicle roof and/or to a roof member (4).

5. The door pillar as claimed in one of claims 1 to
4, characterized in that the pillar base (9) has a
floor connection zone (12) which is configured for
5 forming a fixed connection to the vehicle floor.

6. The door pillar as claimed in one of claims 1 to
5, characterized in that the pillar base (9) has at
least one structure connection zone (13) which is
10 configured for forming a fixed connection to a part of
the supporting frame structure (1).

7. The door pillar as claimed in one of claims 1 to
6, characterized in that the pillar body (8) is
15 configured as a single-part or multi-part sheet-metal
component or as a single-part cast part, in particular
as a thin-walled cast part.

8. The door pillar as claimed in one of claims 1 to
20 7, characterized in that the pillar base (9) is
configured as a single-part cast part, in particular as
a thin-walled cast part.

9. The door pillar as claimed in claim 8,
25 characterized in that the pillar base (9) is cast onto
the pillar body (8).

10. The door pillar as claimed in one of claims 1 to
9, characterized in that the pillar body (8) is screwed
30 and/or riveted and/or welded and/or soldered to the
pillar base (9).

11. The door pillar as claimed in one of claims 1 to
10, characterized in that the pillar body (8) in the
35 lower section (6) at least partially covers the pillar
base (9) on the outside thereof.

12. The door pillar as claimed in one of claims 1 to 11, characterized

- in that the door pillar (2) is an A-pillar or a B-pillar or a C-pillar or a D-pillar,

5 - in that the door pillar (2) is an A-pillar in a convertible.